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on		5,534,219	7.9.96	MARA	NCIK et al.	419	4		
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m		5,869,196	2.9.99	WONG	et al.	428	613	``	
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		JP 2197017A	8.3.90	JAPAN					
		JP 2106885A2	4.18.90	JAPAN					
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
"Alternative Materials for Electrolytic Capacitor" Reichert et al., T.I.C. Bulletin, No. 109, March 2002									
DN									
"Development of Internal-Tin Diffusion Multifilamentary Nb3Sn Conductors Including Hydrostatic Extrusion" Xu et al., IEEE Transactions on Magnetics, Vol., 24, No. 2, March 1998, pg. 1127-1130									
IEEE Transactions on Magnetics, Vol., 24, No. 2, Waren 1998, pg. 1127-1130									
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Form PTO-A820 (also form PTO-1449) P09A/REV05

Docket Number (Optional) Application Number **SUPERCON 23** 10/736,650 INFORMATION DISCLOSURE CITATION Applicant(s) WONG (Use several sheets if necessary) Filing Date Group Art Unit December 16, 2003 3729 **U.S. PATENT DOCUMENTS** EXAMINER FILING DATE DOCUMENT NUMBER CLASS REF DATE NAME SUBCLASS INITIAL IF APPROPRIATE 3,277,564 10.11.66 WEBBER et al. 29 419 m 3,379,000 4.23.68 WEBBER et al. 57 139 7.23.68 3,394,213 ROBERTS et al. 264 174 3.2.71 **YOBLIN** 3,567,407 29 191.4 10.17.72 ROBERTS et al. on 3,698,863 29 183.5 U.S. PATENT APPLICATION PUBLICATIONS EXAMINER FILING DATE REF DOCUMENT NUMBER DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Smathers et al., "A15 Superconductors", Metals Handbook, Tenth Edition, Vol. 2, pps. 1060-1077

Rosner et al., "Review of Superconducting Activities at IGC on A-15 Conductors", Filamentary A-15 Superconductors, Plenum Press, NY published 1980, ppg 67-79

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Form PTO-A820 (also form PTO-1449)

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Form PTO-A820 (also form PTO-1449)

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Application Number Docket Number (Optional) **SUPERCON 23** 10/736,650 INFORMATION DISCLOSURE CITATION Applicant(s) WONG (Use several sheets if necessary) Filing Date **Group Art Unit** December 16, 2003 3729 **U.S. PATENT DOCUMENTS** EXAMINER FILING DATE CLASS SUBCLASS REF DOCUMENT NUMBER DATE NAME INITIAL. F APPROPRIATE 29 MARTIN et al. 599 3,429,032 2.25.69 m 148 . 11.5 4,767,470 8.30.88 TACHIKAWA et al. 428 4,746,581 5.24.88 **FLUKIGER** 614 228 179.1 4.5.94 KING et al. 5,299,728 148 98 7.30.96 JOHNSON et al. 5,541,787 U.S. PATENT APPLICATION PUBLICATIONS EXAMINER FILING DATE REF DOCUMENT NUMBER DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE FOREIGN PATENT DOCUMENTS Translation REF DOCUMENT NUMBER COUNTRY CLASS SUBCLASS DATE YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Caslaw, J.S., "Enhancement of the Critical Current Density in Niobium-Tin" Cryogenics, Feb. 1971, pgs. 57-59 Summers et al., "The Influence of Liquid Metal Infiltration on Superconducting Characteristics on Niobium Nitride", Advanced in Cryogenic Eng., Vol. 34, pgs. 835-842, 1987 01/13/06 **EXAMINER DATE CONSIDERED** EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Sakamoto et al., "Very High Critical Current Density of Bronze-Processed (Nb,Ti)3Sn Superconducting Wire"

IEEE Transactions on Applied Superconductivity, Vol. 10, No. 1, March 2000, pgs. 971-974

Tachikawa, K., "Developments of A15 Filamentary Composite Superconductors in Japan" by Masaki Suenaga and Alan F. Clark, Plenum Press, NY, Cryogenic Mat. Series 1980, pps. 1-15

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EXAMINER: Initial if citation considered, whether or not estation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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ON.	Katagiri Reinforci	et al., "Tensile Strain/Transverese Com ing Stabilizer" Advances in Cryogenic E	pressive Stress Effects in Nb3Sn ng., Vol. 42, Plenum Press, NY,	Multifilamentary Wires with CuNb pgs. 1423-1432			
m	Dew-Hug pgs. 429-	bes et al. "Treatise on Material Science 432	and Technology" Vol. 14, Meta	llurgy of Superconducting Materials,1979,			
mV	Valder, F	3., "Niobium Alloy C-103/Aerospace Ap	plications" Wah Chang, Outlook	k 1st Quarter 2000			
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